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Wednesday, October 22, 2008

Exide Technologies James A. Messer P.O. Box 250 Frisco, TX 75034

Tel: (972) 335-2121 Fax: (972) 377-2707

Re: Project Name: Free Flow 100 Treated Slag Samples

Oxidor received 4 solid sample(s). The analysis performed were as follows:

<u>Sample</u>	Sample ID	<u>Matrix</u>	<u>Collected</u>	<u>Analysis</u>
0810245-001	FF100-FS-3-148 a	Solid	10/2/2008	TCLP Lead, TCLP Non-volatile Extraction
0810245-002	FF100-FS-3-163 a	Solid	10/6/2008	TCLP Lead, TCLP Non-volatile Extraction
0810245-003	FF100-FS-3-148 b	Solid	10/2/2008	TCLP Lead, TCLP Non-volatile Extraction

Respectfully submitted,

Charles Brungardt

President





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## **Analytical Report**

Project Name: Free Flow 100 Treated Slag Samples

Customer Sample ID: FF100-FS-3-148 a

Oxidor Sample ID: 0810245-001 Matrix: **Solid**Sample Received: 10/14/2008 Sample Collected: **10/2/2008** 

Sample Received: 10/14/2008								
Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
Sample Prep								
<b>TCLP Non-volatile</b>	Extraction							
TCLP Extraction					10/16/08 15:45	1311	T.M.	
Metals								
Digested by method 3005A on	10/17/08 at 10:30							
TCLP Lead	0.05	1.03	9.59	mg/L	10/17/08 19:41	6020	K.O.	D-1





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## **Analytical Report**

Project Name: Free Flow 100 Treated Slag Samples

Customer Sample ID: FF100-FS-3-163 a

Oxidor Sample ID: 0810245-002 Matrix: Solid
Sample Received: 10/14/2008 Sample Collected: 10/6/2008

Sample Rec	1/2008							
Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
Sample Prep								
<b>TCLP Non-volatile</b>	Extraction							
TCLP Extraction					10/16/08 15:45	1311	T.M.	
Metals								
Digested by method 3005A on	10/17/08 at 10:30							
TCLP Lead	0.05	1.03	41.7	mg/L	10/17/08 19:53	6020	K.O.	D-1





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## **Analytical Report**

Project Name: Free Flow 100 Treated Slag Samples

Customer Sample ID: FF100-FS-3-148 b

Oxidor Sample ID: 0810245-003 Matrix: **Solid**Sample Received: 10/14/2008 Sample Collected: **10/2/2008** 

Campio 110001104: 10/11/2000				Carri				
Parameter	MQL	SQL	Result	Units	Date Analyzed	Method	Analyst	Flags
Sample Prep								
<b>TCLP Non-volatile</b>	Extraction							
TCLP Extraction					10/16/08 15:45	1311	T.M.	
Metals								
Digested by method 3005A on	10/17/08 at 10:30							
TCLP Lead	0.05	0.050	5.65	mg/L	10/17/08 19:59	6020	K.O.	





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## **Sample Cross Reference**

Project Name: Free Flow 100 Treated Slag Samples

Customer ID:	Lab ID:	Test	Method	QCBatchID:
FF100-FS-3-148 a	0810245-001	TCLP Lead	6020	META_03422_L
FF100-FS-3-163 a	0810245-002	TCLP Lead	6020	META_03422_L
FF100-FS-3-148 b	0810245-003	TCLP Lead	6020	META_03422_L





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## **QC Summary**

Project Name: Free Flow 100 Treated Slag Samples

		1	Reference		Rec		RPD		
QC Type	e Parameter	Result	Value	Spike Conc	Rec	Limits	RPD	Limits	Flags
QCBate	chID META_03422_L								
Blank	TCLP Lead	ND mg/L							
LCS	TCLP Lead	0.096 mg/L		0.1 mg/L	96%	85-115%			
LCSD	TCLP Lead	0.097 mg/L		0.1 mg/L	97%	85-115%	0.8%	0-20%	
MS	TCLP Lead	0.505 mg/L	ND	0.5 mg/L	101%	80-120%			
MSD	TCLP Lead	0.504 mg/L	ND	0.5 mg/L	101%	80-120%	0.1%	0-20%	





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#### **Case Narrative**

#### Project Name: Free Flow 100 Treated Slag Samples

D-1 Elevated reporting limit(s) due to dilution. Dilution resulted from sample matrix interference, high target analyte(s), high non-

target analyte(s) or a combination thereof.

ppm Parts per million = mg/Kg or mg/L

ppb Parts per billion = ug/Kg or ug/L

MQL Method quantitation limit

SDL Sample detection limit (reflects any laboratory adjustments made to the sample during analysis such as dry weight or dilutions)

ND Analyte not detected at or above SDL

LCS/LCSD Laboratory control spike / Laboratory control spike duplicate

MS/MSD Matrix spike / Matrix spike duplicate

RPD Relative percent difference

Sub Analysis performed by subcontract laboratory

Solid sample results reported on a dry weight basis for all applicable analysis, unless otherwise noted. Dry weight calculations based upon % solids obtained as outlined in EPA method 5035 section 7.5

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Oxidor Laboratories, LLC certifies to the best of its knowledge that all results contained in this report are consistent with the National Environmental Laboratory Accreditation Program, except where otherwise noted.





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#### Sample Preservation Verification

Project Name: Free Flow 100 Treated Slag Samples

Receipt temp: 1.0 °C on Ice All applicable VOA's received free of headspace: N/A

Receipt method: Additional Analysis

Custody seal intact: **Not Present**All samples / labels received intact: **Yes** 

Customer Sample ID: **FF100-FS-3-148 a**Collected By: **Roberto Romero**Oxidor Sample ID: **0810245-001**Collector Affiliation: **Exide Technologies** 

Collected: 10/02/08 Matrix: Solid

Indicated
le Type Count Collection Method Parts / Interval Preservatio

Bottle Type Count Collection Method Parts / Interval Preservation pH

Customer Container 1 Grab Temp -

Customer Sample ID: FF100-FS-3-163 a Collected By: Roberto Romero

Oxidor Sample ID: **0810245-002** Collector Affiliation: **Exide Technologies** 

Collected: 10/06/08 Matrix: Solid

Indicated

Bottle TypeCountCollection MethodParts / IntervalPreservationpHCustomer Container1GrabTemp-

Customer Sample ID: FF100-FS-3-148 b Collected By: Roberto Romero

Oxidor Sample ID: **0810245-003**Collector Affiliation: **Exide Technologies** 

Collected: 10/02/08 Matrix: Solid

Indicated

Bottle TypeCountCollection MethodParts / IntervalPreservationpHCustomer Container1GrabTemp-

Customer Sample ID: FF100-FS-3-163 b Collected By: Roberto Romero

Oxidor Sample ID: 0810245-004 Collector Affiliation: Exide Technologies

Collected: 10/06/08 Matrix: Solid

Indicated

Bottle TypeCountCollection MethodParts / IntervalPreservationpHCustomer Container1GrabTemp-

Sample conditions at time of receipt at laboratory verified in part or in whole by:

V.F.

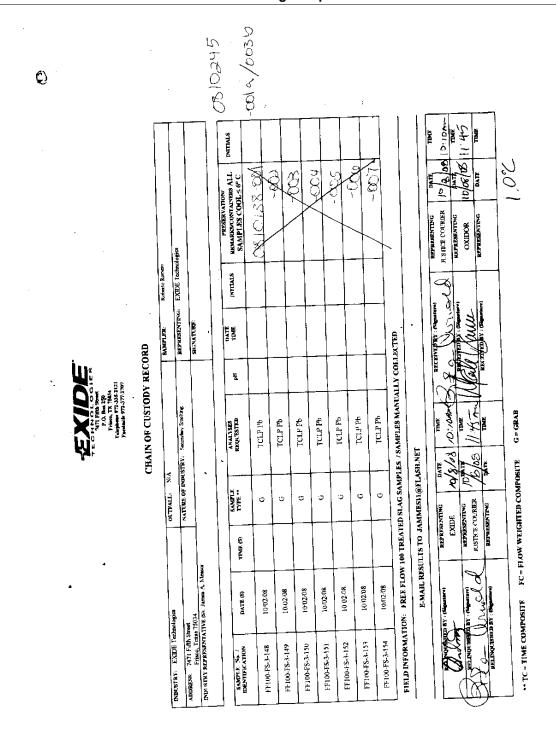




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# **Chain of Custody**

PROJECT DESCRIPTION: Free Flow 100 Treated Slag Samples



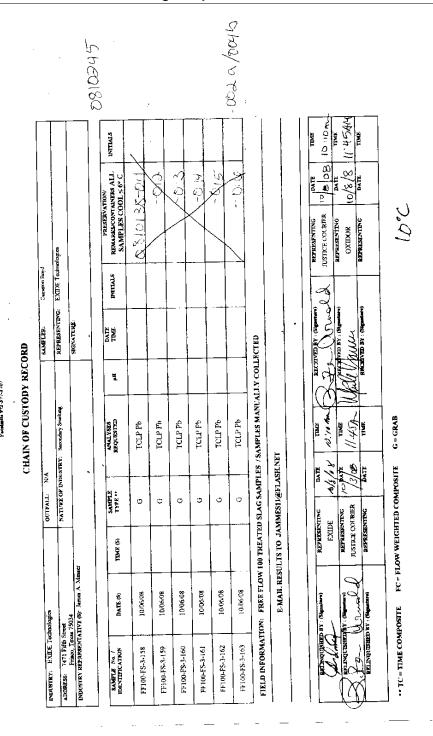




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# **Chain of Custody**

PROJECT DESCRIPTION: Free Flow 100 Treated Slag Samples







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#### **Chain of Custody**

#### PROJECT DESCRIPTION: Free Flow 100 Treated Slag Samples

FW: Exide - TCLP Page 1 of 1

#### **Homer Youngblood**

0810245

From:

Homer Youngblood

Sent:

Thursday, June 12, 2008 2:17 PM

To:

CustomerService

Cc:

Inorganic

Subject: FW: Exide - TCLP

I spoke with James Messer about the TCLP re-runs. He requested that we affix an identifier of –a to any samples that are reran. If the reruns are not in agreement with the first set of analysis they will need to be resubmitted with a –b identifier, etc.

James said that he wanted to see each of the analysis results reported and that he did not want a mean reported.

Homer Youngblood Customer Service Manager OXIDOR Laboratories, LLC 972-424-6422 972-424-6508 Fax hyoungblood@oxidor.com www.oxidor.com

-----Original Message-----

From: Charles Brungardt

Sent: Thursday, May 22, 2008 9:37 AM

To: CustomerService
Cc: Inorganic
Subject: Exide - TCLP

James said to rerun any TCLP that is greater than 0.75ppm for lead.

Charles Brungardt

President

OXIDOR Laboratories, LLC

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10/21/2008